

FIG. 2A

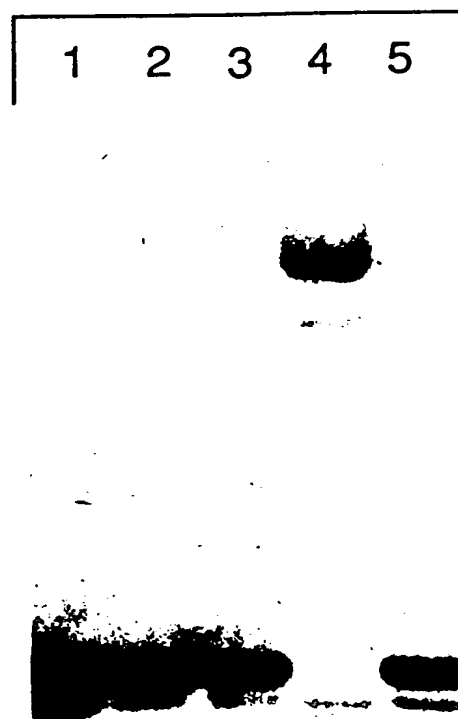


FIG. 2B

FIG. 3A

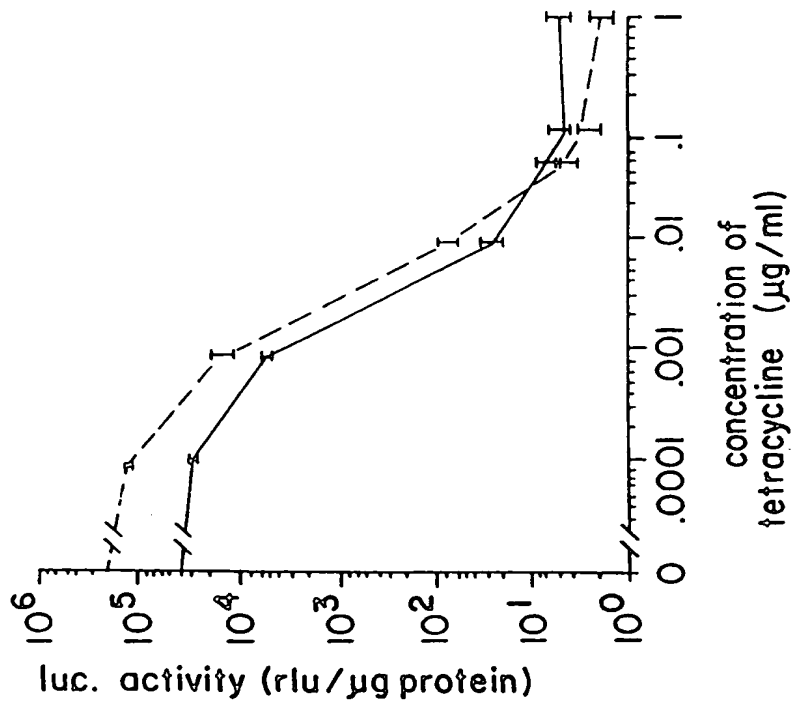


FIG. 3B

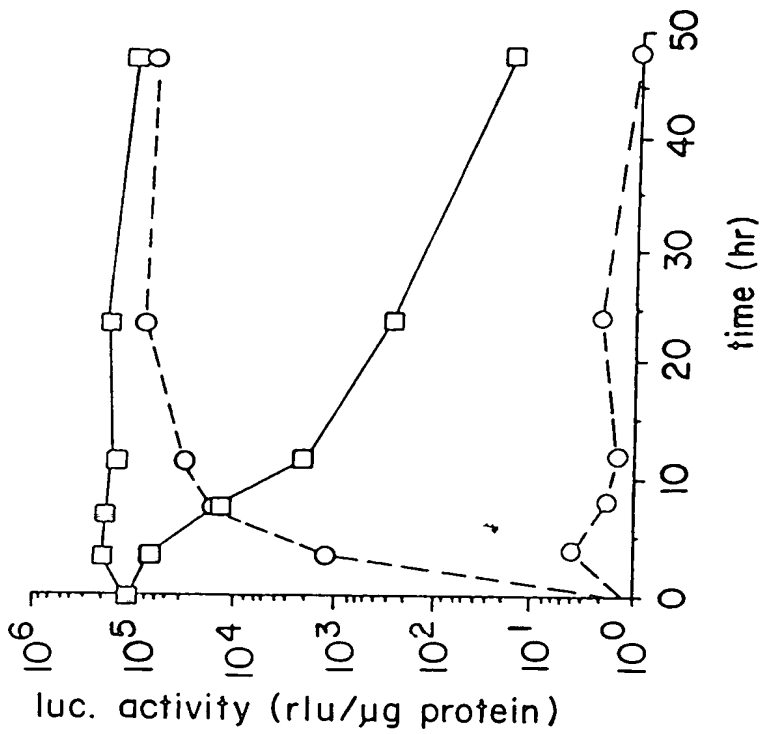




Fig. 4C

GAA GAG GCG GGG CTG GCG GCT CCG CGC CTG TCC TTT CTC CCC GCG GGA CAC ACG
Glu Glu Ala Gly Leu Ala Ala Pro Arg Leu Ser Phe Leu Pro Ala Gly His Thr

CGC AGA CTG TCG ACG GCC CCC CCG ACC GAT GTC AGC CTG GGG GAC GAG CTC CAC
Arg Arg Leu Ser Thr Ala Pro Pro Thr Asp Val Ser Leu Gly Asp Glu Leu His

TTA GAC GGC GAG GAC GTG GCG ATG GCG CAT GCC GAC GCG CTA GAC GAT TTC GAT
Leu Asp Gly Glu Asp Val Ala Met Ala His Ala Asp Ala Leu Asp Asp Phe Asp

CTG GAC ATG TTG GGG GAC GGG GAT TCC CCG GGT CCG GGA TTT ACC CCC CAC GAC
Leu Asp Met Leu Gly Asp Gly Asp Ser Pro Gly Pro Gly Phe Thr Pro His Asp

TCC GCC CCC TAC GGC GCT CTG GAT ATG GCC GAC TTC GAG TTT GAG CAG ATG TTT
Ser Ala Pro Tyr Gly Ala Leu Asp Met Ala Asp Phe Glu Gln Met Phe

ACC GAT CCC CTT GGA ATT GAC GAG TAC GGT GGG TAG
Thr Asp Pro Leu Gly Ile Asp Glu Tyr Gly Gly *

Fig. 4D

ATG TCT AGA TTA GAT AAA AGT AAA GTG ATT AAC AGC GCA TTA GAG CTG CTT AAT
Met Ser Arg Leu Asp Lys Ser Lys Val Ile Asn Ser Ala Leu Glu Leu Asn

GAG GTC GGA ATC GAA GGT TTA ACA ACC CGT AAA CTC GCC CAG AAG CTA GGT GTA
Glu Val Gly Ile Glu Gly Leu Thr Thr Arg Lys Leu Ala Gln Lys Leu Gly Val

GAG CAG CCT ACA TTG TAT TGG CAT GTA AAA AAT AAG CGG GCT TTG CTC GAC GCC
Glu Gln Pro Thr Leu Tyr Trp His Val Lys Asn Lys Arg Ala Leu Asp Ala

TTA GCC ATT GAG ATG TTA GAT AGG CAC CAT ACT CAC TTT TGC CCT TTA GAA GGG
Leu Ala Ile Clu Met Leu Asp Arg His His Thr His Phe Cys Pro Leu Glu Gly

GAA AGC TGG CAA GAT TTT TTA CGT AAT AAC GCT AAA AGT TTT AGA TGT GCT TTA
Glu Ser Trp Trp Gln Asp Phe Leu Arg Asn Asn Ala Lys Ser Phe Arg Cys Ala Leu

Fig. 5A

CTA AGT CAT CGC GAT GGA GCA AAA GTA CAT TTA GGT ACA CGG CCT ACA GAA AAA
Leu Ser His Arg Asp Gly Ala Lys Val His Leu Gly Thr Arg Pro Thr Glu Lys

CAG TAT GAA ACT CTC GAA AAT CAA TTA GCC TTT TTA TGC CAA CAA GGT TTT TCA
Gln Tyr Glu Thr Leu Glu Asn Gln Leu Ala Phe Leu Cys Gln Gln Gly Phe Ser

CTA GAG AAT GCA TTA TAT GCA CTC AGC GCT GTG GGG CAT TTT ACT TTA GGT TGC
Leu Glu Asn Ala Leu Tyr Ala Leu Ser Ala Val Gly His Phe Thr Leu Gly Cys

GTA TTG GAA GAT CAA GAG CAT CAA GTC GCT AAA GAA GAA AGG GAA ACA CCT ACT
val Leu Glu Asp Gln Glu His Gln Val Ala Lys Glu Glu Arg Glu Thr Pro Thr

ACT GAT AGT ATG CCG CCA TTA TTA CGA CAA GCT ATC GAA TTA TTT GAT CAC CAA
Thr Asp Ser Met Pro Pro Leu Leu Arg Gln Ala Ile Glu Leu Phe Asp His Gln

Fig. 5B

GGT GCA GAG CCA GCC TTC TTA TTC GGC CTT GAA TTG ATC ATA TGC GGA TTA GAA
Gly Ala Glu Pro Ala Phe Leu Phe Gly Leu Glu Ile Ile Cys Gly Leu Glu

AAA CAA CTT AAA TGT GAA AGT GGG TCT GAT CCA TCG ATA CAC ACC CGC AGA CTG
Lys Gln Leu Lys Cys Glu Ser Gly Ser Asp Pro Ser Ile His Thr Arg Arg Leu

TCG ACG GCC CCC CCG ACC GAT GTC AGC AGG GAC GAG CTC CAC TTA GAC GGC
Ser Thr Ala Pro Pro Thr Asp Val Ser Leu Gly Asp Glu Leu His Leu Asp Gly

GAG GAC GTG GCG ATG GCG CAT GCC GAC GAC CTA GAC GAT TTC GAT CTG GAC ATG
Glu Asp Val Ala Met Ala His Ala Asp Ala Leu Asp Asp Phe Asp Leu Asp Met

TTG GGG GAC GGG GAT TCC CCG GGT CCG GGA TTT ACC CCC CAC GAC TCC GCC CCC
Leu Gly Asp Gly Asp Ser Pro Gly Pro Gly Phe Thr Pro Pro His Asp Ser Ala Pro

Fig. 5C

TAC GGC GCT CTG GAT ATG GCC GAC TTC GAG TTT GAG CAG ATG TTT ACC GAT GCC
Tyr Gly Ala Leu Asp Met Ala Asp Phe Glu Phe Glu Gln Met Phe Thr Asp Ala

CTT GGA ATT GAC GAG TAC GGT GGG TTC TAG
Leu Gly Ile Asp Glu Tyr Gly Gly Phe *

Fig 5D

GAATTCCTCGAGTTTACCACCTCCCTATCAGTGATAGAGAAAAGTGAAAGTCGAGTTTACCACCTC
CCTATCAGTGATAGAGAAAAGTGAAAGTCGAGTTTACCACCTCCCTATCAGTGATAGAGAAAAGT
GAAAGTCGAGTTTACCACCTCCCTATCAGTGATAGAGAAAAGTGAAAGTCGAGTTTACCACCTCCC
TATCAGTGATAGAGAAAAGTGAAAGTCGAGTTTACCACCTCCCTATCAGTGATAGAGAAAAGTGA
AAGTCGAGTTTACCACCTCCCTATCAGTGATAGAGAAAAGTGAAAGTCGAGTCGGTACCCGGGT
CGAGTAGGCGTGACGGTGGGAGGCCCTATATAAGCAGAGCTCGTTTAGTGAACCGTCAGATCGC
CTGGAGACGCCATCCACGCTGTTTTTGACCTCCATAGAGACACCGGACCGATCCAGCCTCCGC

GG

Fig. 6

GAATTCCTCGACCCGGGTACCGAGCTCGACTTTCACCTTTCTCTATCACTGATAGGAGTGGTA
AACTCGACCTTTCACCTTTTCTCTATCACTGATAGGAGTGGTAAACTCGACTTTCACCTTTCTCT
ATCACTGATAGGAGTGGTAAACTCGACTTTCACCTTTCTCTATCACTGATAGGAGTGGTAA
CTCGACTTTCACCTTTCTCTATCACTGATAGGAGTGGTAAACTCGACTTTCACCTTTCTCTAT
CACTGATAGGAGTGGTAAACTCGACTTTCACCTTTCTCTATCACTGATAGGAGTGGTAAACT
CGAGTAGGCGGTGTACGGTGGGAGGCCCTATATAAGCAGAGCTCGTTTAGTGAAACCGTCAGATCGC
CTGGAGACGCCATCCACGCTGTTTTTGACCTCCATAGAAGACACCGGACCGATCCAGCCTCCGC

GG

Fig. 7

GAGCTCGACTTTCACATTTTCTCTATCACTGATAGGAGTGGTAAACTCGACTTTCACATTTTCTC
TATCACTGATAGGAGTGGTAAACTCGACTTTCACATTTTCTCTATCACTGATAGGAGTGGTAA
ACTCGACTTTCACATTTTCTCTATCACTGATAGGAGTGGTAAACTCGACTTTCACATTTTCTCTA
TCACTGATAGGAGTGGTAAACTCGACTTTCACATTTTCTCTATCACTGATAGGAGTGGTAAAC
TCGACTTTCACATTTTCTCTATCACTGATAGGAGTGGTAAACTCGAGATCCGGCGAATTCGAAC
ACGCAGATGCAGTCGGGGCGCGGTCCGAGGTCCACTTCGCATATTAAAGTGACGCGTGTGG
CCTCGAACACCGAG

Fig. 8

CTCGAGTTTACCACCTCCCTATCAGTGATAGAGAAAAGTGAAAGTCGAGTTTACCACCTCCCTATC
AGTGATAGAGAAAAGTGAAAGTCGAGTTTACCACCTCCCTATCAGTGATAGAGAAAAGTGAAAGT
CGAGTTTACCACCTCCCTATCAGTGATAGAGAAAAGTGAAAGTCGAGTTTACCACCTCCCTATCAG
TGATAGAGAAAAGTGAAAGTCGAGTTTACCACCTCCCTATCAGTGATAGAGAAAAGTGAAAGTCG
AGTTTACCACCTCCCTATCAGTGATAGAGAAAAGTGAAAGTCGAGTCGGTACCCGGGTCGAGTA
GGCGTGACGGTGGAGGCCCTATATAAGCAGAGCTCGTTTAGTGAAACCGTCAGATCGCCTGGAG
ACGCCATCCACGCTGTTTGTACCTCCATAGAAAGACACCGGGACCGATCCAGCCTCCGCGGCCCC
GAATTCGAGCTCGGTACCGGGCCCCCTCGAGGTCGACGGTATCGATAAGCTTGATATCGAAT
TCCAGGAGGTGGAGATCCGCGGGTCCAGCCAAACCCACACCCATTTTCTCCTCCTCTGCCCC
TATATCCCGGACCCCTCCTCCTAGCCCTTTCCCTCCTCCCGAGAGACGGGGAGGAGAAAAG
GGGAGTTT'AGGTCGACATGACTGAGCTGAAGGCAAGGAACCTCGGGCTCCCCACGTGGCGGGC
GGCGGCCCTCCCCACCGAGGTCGGATCCCAGCTCCTGGGTGCGCCCGGACCCCTGGCCCCCTTCC
AGGGGAGCCAGACCTCAGAGGCCTCGTCTGTAGTCTCCGCCCATCCCCATCTCCCTGGACGGGTT

Fig. 9A

CCCTTCG. CCCGCAGCGGGCTCCCCCTCTGCCTCGTCCACCCCTGTGGGGCGGCGACTTCC
CCGACTGCACCTACCCGCCCGACGCCGAGCCCAAAGATGACGGTTCCCCCTCTACGGCGACTT
CCAGCCGCCCGCCCTCAAGATAAAGAGGAGGAAGAGCCCGAGGCCGCGCGCGCTCCCCCG
CGTACGTACCTGGTGGCTGGTGCAAAACCCCGCCCTTCCCGGACTTCCAGCTGGCAGCGCCGC
CGCCACCTCGCTGCCGCCCTCGAGTGCCCTCGTCCAGACCCGGGGAAGCGCGGTGGCGGCCTC
CCCAGGCAGTGCTCCGTCTCCTCGTCTCGTGGGTGACCCCTGGAGTGCAATCCTGTAC
AAGCAGAAGCGCGCCCGCCAGCAGGGCCCTTTCGGCCGCTGCCCTGCAAGCCTCCGGCG
CCGGCGCCTGCTCCCGGGACGGCCTGCCCTCCACCTCCGCCCTCGGGCGAGCCGCCCG
GGCCGCCCTGCGCTCTACCCGACGCTCGGCCTCAACGGACTCCCGCAACTCGGCTACCAGGCC
GCCGTGCTCAAGGAGGCCCTGCCGCAGGTCTACACGCCCTATCTCAACTACCTGAGGCCGGAAT
CAGAAGCCAGTCAGAGCCACAGTACAGCTTCGAGTCACTACCTCAGAAGATTGTGATCTG
TGGGATGAAGCATCAGGCTGTCAATTATGGTGCTCCTCACCTGTGGGAGCTGTAGGTCTTCTTT
AAAAGGCAATGGAAGGCAGCATAACTATTATGTGCTGGAAGAAATGACTGCATTGTTGATA

Fig. 9C

AAATCCGCAGGAAAACTGCCCGGCGTGTGCGCCTTAGAAAAGTGTCTGTCAAGCTGGCATGGTCCT
TGGAGGGCGAAAGTTTAAAAAGTTCAATAAAGTCAGAGTCATGAGAGCACTCGATGCTGTTGCT
CTCCACAGCCAGTGGGCATTCCAAATGAAAGCCAACGAATCACTTTTCTCCAAGTCAAGAGA
TACAGTTAATTCCCCCTCTAATCAACCCTGTTAATGAGCATTGAACCAGATGTGATCTATGCAGG
ACATGACACACAAAGCCTGATACCTCCAGTTCTTTTGCTGACGAGTCTTAAATCAACTAGGCGAG
CGGCAACTTCTTTCAGTGGTAAAAATGGTCCAAAATCTCTTCCAGGTTTTTCGAAACTTACATATTG
ATGACCAGATAACTCTCATCCAGTATTCTTTGGATGAGTTTAAATGGTATTTGGACTAGGATGGAG
ATCCTACAAACATGTGAGTGGGCAGATGCTGTATTTTGCACCTGATCTAATAATTAAATGAACAG
CGGATGAAAGAAATCATCATTTCTATTCACTATGCCTTACCATGTGGCAGATACCGCAGGAGTTTG
TCAAGCTTCAAGTTAGCCCAAGAAGAGTTCCTCTGCATGAAAGTATTACTACTTCTTAATACAAT
TCCTTTTGAAGGACTAAGAAGTCAAAGCCAGTTTGAAGAGATGAGATCAAGCTACATTAGAGAG
CTCATCAAGGCAATTGGTTTGAGGCCAAAAAGGAGTTGTTTCCAGCTCACAGCGTTTCTATCAGC
TCACAAAACCTTCTTGATAAATTGTCATGATCTTGTCAAACAACCTTACCTGTACTGCCTGAATAC

Fig. 9D

ATTATCCAGTCCCGGGCGCTGAGTGTGAATTTCCAGAAATGATGTCTGAAGTTATTGCTGCA
CAGTTACCCAGATAATTGGCAGGGATGGTGAAACCATTCTCTTTTCATAAAAAGTGAATGTCAA
TTATTTTTCAAAGAAATTAAGTGTGTGGTATGTCTTTTCGTTTTTGGTCAGGATTATGACGTCCTCG
AGTTTTTATAATAATTCTGAAAGGGAATTCCTGCAGCCCGGGGATCCACTAGTTCTAGAGGATC
CAGACATGATAAGATACATTGATGAGTTTGGACAAACCACAACTAGAAATGCAGTGAAAAAAAATG
CTTTATTGTGAAATTTGTGATGCTATTGCTTTTATTGTAAACCATTAAGCTGCAATAAACAA
GTTAAACAACAATTGCATTTCATTTTATGTTTCAGGTTCAGGGGGAGGTGTGGGAGGTTTTTT
AAAGCAAGTAAACCCTCTACAAATGTGGTATGGCTGATTATGATCCTGCAAGCCTCGTCGTCGTG
GCCGGACCACGCTATCTGTGCAAGGTCCCCGGACGGCGCTCCATGACAGAGCGCCCGCCGCC
GAGGCAAGACTCGGGCGGCCCTGCCCCGTCCACAGGTCAACAGCGGGTAACCGGCCCTCTTC
ATCGGGAATGCGCGGACCTTCAGCATCGCCGGCATGTCCCCCTGGCGGACGGGAAGTATCAGCT
CGACCAAGCTTGGCGAGATTTTCAGGAGCTAAGGAAGCTAAAAATGGAGAAAAAATCACTGGAT
ATACCACCGTTGATATATCCCAATGGCATCGTAAAGAACATTTTGAGGCATTTTCAGTCAGTTGC

Fig. 9E

TCAATGTACCTATAACCAGACCGTTTACAGCTGCATTAAATCGGCCAACGCGCGGGAGAGGC
GGTTTGGCGTATTGGGGCGCTCTTCCGGCTTCCCTCGCTCACTGACTCGCTGCGCTCGGTTCGTCGGC
TGCGGCGAGCGGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCCACAGAAATCAGGGGATAA
CGCAGGAAAGAACATGTAGCAAAAGGCCAGCAAAAGGCCAGGAACCGTAAAAAGCCGCGTTG
CTGGCGTTTTTCCATAGGCTCCGCCCTGACGAGCATCAAAAATCGACGCTCAAGTCAGA
GGTGGCGAAACCCGACAGGACTATAAGATACCAGCGCTTCCCCCTGGAAGCTCCCTCGTGCG
CTCTCCGTGTTCCGACCCCTGCCGTTACCGGATACCTGTCCGCCCTTCTCCCTTCGGGAAGCGTG
GCGCTTCTCAATGCTCACGCTGTAGGTATCTCAGTTCGGTGTAGGTGCTTCGCTCCAAGCTGG
GCTGTGTGCAGAACCCCGCTTCAGCCCGACCGCTGCGCCTTATCCGGTACTATCGTCTTGA
GTCCAACCCGGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTGGTAACAGGATTAGCAGA
GCGAGGTATGTAGCGGTGCTACAGAGTTCTTGAAGTGGTGGCCTAACTACGGCTACACTAGAA
GGACAGTATTGGTATCTGCGCTCTGCTGAAGCCAGTTACCTTCGGAAAAAGAGTTGGTAGCTC
TTGATCCGGCAAAACACCGCTGTAGCGGTGTTTTTTTTTTGTTTGCAAGCAGCAGATTACG

Fig. 9F

CGCAGAAAAAAGGATCTCAAGAAGATCCTTTTGATCTTTTCTACGGGGTCTGACGCTCAGTGGA
ACGAAAACCTCACGTTAAGGGATTTTGGTCATGAGATTATCAAAAAGGATCTTCACCTAGATCCT
TTTAAATTAAAAATGAAGTTTTTAAATCAATCTAAAGTATATAGAGTAAACTTGGTCTGACAGT
TACCAATGCTTAATCAGTGAGGCACCTATCTCAGCGATCTGTCTATTTTCGTTTCATCCATAGTTG
CCTGACTCCCCGTCGTGTAGATAACTACGATACGGGAGGGCTTACCATCTGGCCCCAGTGCTGC
AATGATACCGGAGACCCACGCTCACGGCTCCAGATTTATCAGCAATAAACCCAGCCAGCCGGA
AGGGCCGAGCGCAGAAGTGGTCCTGCAACTTTATCCGCCCTCCATCCAGTCTATTAAATTGTTGCC
GGGAAGCTAGAGTAAGTAGTTCGCCAGTTAATAGTTTTCGCGCAACGTTGTTGCCATTGCTACAGG
CATCGTGGTGCACGCTCGTTCGTTTGGTATGGCTTCATTCAGCTCCGGTTCCCAACGATCAAGG
CGAGTTACATGATCCCCCATGTTGTGCAAAAAAGCGGTTAGCTCCTTCGGTCCCTCCGATCGTTG
TCAGAAGTAAGTTGGCCGCAGTGTTATCACTCATGGTTATGGCAGCAGTGCATAAATCTCTTAC
TGTCATGCCATCCGTAGATGCTTTTCTGTGACTGGTGAGTACTCAACCAAGTCATTCTGAGAA
TAGTGATGCGGCGACCGAGTGTCTCTTGCCCGCGTCAATACGGGATAATACCGGCCACATA

Fig. 9G

GCAGAACTTTAAAAGTGCTCATTTGGAACACGTTCTTCGGGGCGAAAACTCTCAAGGATCTT
ACCGCTGTTGAGATCCAGTTCGATGTAAACCCACTCGTGCACCCAACTGATCTTCAGCATCTTTT
ACTTTCACCAGCGTTTCTGGGTGAGCAAAAACAGGAAGGCAAAATGCCGCAAAAAGGGAATAA
GGCGACACGGAAATGTTGAATACTCATACTCTTCCTTTTCAATATTATTGAAGCATTTATCA
GGTTATTGTCTCATGAGCGGATACATATTTGAATGTATTTAGAAAAATAAACAAATAGGGGTT
CCGCGACATTTCCCCGAAAAGTGCCACCTGACGTCTAAGAAACCATTTATTATCATGACATTAA
CCTATAAAATAGGCGTATCACGAGGCCCTTTCGTC

Fig. 9H

CTCGAGTTTACCACCTCCCTATCAGTGATAGAGAAAAGTGAAAGTCGAGTTTACCACCTCCCTATC
AGTGATAGAGAAAAGTGAAAGTCGAGTTTACCACCTCCCTATCAGTGATAGAGAAAAGTGAAAGT
CGAGTTTACCACCTCCCTATCAGTGATAGAGAAAAGTGAAAGTCGAGTTTACCACCTCCCTATCAG
TGATAGAGAAAAGTGAAAGTCGAGTTTACCACCTCCCTATCAGTGATAGAGAAAAGTGAAAGTCG
AGTTTACCACCTCCCTATCAGTGATAGAGAAAAGTGAAAGTCGAGTCGGTACCCGGTCGAGTA
GGCGTGTAACGGTGGGAGGCCCTATATAAGCAGAGCTCGTTTAGTGAACCGTCAGATCGCCTGGAG
ACGCCATCCACGCTGTTTGTGACCTCCATAGAAAGACACCGGGACCGATCCAGCCTCCGCGGGCCCC
GAATTCGCCCCACGACCATGACCATGACCCCTCCACACCAAGCATCTGGGATGGCCCTACTGCA
TCAGATCCAAGGGAACGAGCTGGAGCCCCCTGAACCGTCCGCAGCTCAAGATCCCCCTGGAGCGG
CCCCTGGGCGAGGTGTACCTGGACAGCAAGCCCGCGTGTACAACCTACCCCGAGGGCGCGG
CCTACGAGTTCAACGCCCGCGGCCCGCCCAACGCGCAGGTCTACGGTCAGACCGGCCCTCCCCCTA
CGGCCCGGGTCTGAGGCTGCGGCGTTTCGGCTCCAACGGCCTGGGGGGTTTCCCCCCTCAAC
AGCGTGCTCCGAGCCCGCTGATGCTACTGCACCCCGCCGCGCAGCTGTGCGCTTTCCTGCAGC

Fig. 10A

CCCACGGCCAGCAGGTGCCCTACTACCTGGAGAACGAGCCCCAGCGGCTACACGGTGC GCGAGGC
CGGCCCGCCGGCATTTCTACAGGCCAAATT CAGATAATCGACGCCAGGGTGGCAGAGAAAGATTG
GCCAGTACCAATGACAAGGAAGTATGGCTATGGAATCTGCCAAGGAGACTCGCTACTGTGCAG
TGTGCAATGACTATGCTTCAGGCTACCAATTATGGAGTCTGGTCTGTGAGGGCTGCAAGGCCCTT
CTTCAAGAGAAGTATTCAAGGACATAACGACTATATGTGTCCAGCCACC AACAGTGCACCATT
GATAAAAACAGGAGGAAGAGCTGCCAGGCCCTGCCGGCTCCGCAAATGCTACGAAGTGGGAATGA
TGAAAGGTGGGATACGAAAAGACCGAAGAGGAGGAGAATGTTGAAACACAAGCCAGAGAGA
TGATGGGAGGGCAGGGGTGAAGTGGGTCTGCTGGAGACATGAGAGCTGCCAACCTTTGGCCA
AGCCCGCTCATGATCAAACGCTCTAAGAAAGAACAGCCTGGCCTTGTCCTGACGGCCGACCAGA
TGGTCATGGCCTTGTGGATGCTGAGCCCCCATACTCTATTCCGAGTATGATCCTACCAGACC
CTTCAGTGAAGCTTCGATGATGGGCTTACTGACCAACCTGGCAGACAGGGAGCTGGTTCACATG
ATCAACTGGCGAAGAGGGTGCCAGGCTTTGTGGATTTGACCCCTCCATGATCAGGTCCACCTTC
TAGAATGTGCCTGGCTAGAGATCCTGATGATTGGTCTCGTCTGGCGCTCCATGGAGCACCCAGT

Fig. 10B

GAAGCTACTGTTTGCTCCTAACTTGCTCTTGGACAGGAACCAGGAAAATGTGTAGAGGGCATG
GTGGAGATCTTCGACATGCTGCTGGCTACATCATCTCGGTTCCGCATGATGAATCTGCAGGGAG
AGGAGTTTGTGTGCCCTCAAATCTATATTTTGCTTAATTTCTGGAGGTACACATTTCTGTCTCCAG
CACCCCTGAAGTCTCTGGAAGAGAGAGACCATAATCCACCGAGTCTCTGGACAAGATCACAGACACT
TTGATCCACCTGATGGCCCAAGGCAGGCCCTGACCCCTGCAGCAGCAGCACCGCGGCTGGCCCCAGC
TCCCTCCTCATCCTCTCCCACATCAGGCACATGAGTAACAAAGGCATGGAGCATCTGTACAGCAT
GAAGTGCAAGAACGTGTGCCCTCTATGACCTGCTGCTGGAGATGCTGGACGCCACCGCCTA
CATGCGCCCACTAGCCGTGGAGGGGCATCCGTGGAGGAGACGGACCAAGCCACTTGGCCCACTG
CGGGCTCTACTTCATCGCATTCCTTGCAAAAGTATTACATCACGGGGGAGGCAGAGGGTTTCCC
TGCCACAGTCTGAGAGCTCCCTGGCGGAATTCGAGCTCGGTACCCGGGGATCCTCTAGAGGATC
CAGACATGATAAGATACATTGATGAGTTTGGACAAACCACAACCTAGAAATGCAGTGAAAAAATG
CTTTATTGTGAAAATTGTGATGCTATTGCTTTATTGTAAACCATTATAAGCTGCAATAAACAA
GTTAACAAACAATTGCATTCTTTTATGTTTCAGGTTTCAGGGGAGGTGTGGAGGTTTTTTT

Fig. 10C

AAAGCAAGTAAACCTCTACAAATGTGGTATGGCTGATTATGATCCTGCAAGCCTCGTCTCTG
GCCGGACCACGCTATCTGTGCAAGGTCCCCGGACGCGCGCTCCATGAGCAGAGCGCCCCGCCGCC
GAGCAAGACTCGGGCGGCCCTGCCCGTCCCACAGGTCAACAGGCGGTAAACCGGCCCTCTTC
ATCGGGAATGCGCGGACCTTCAGCATCGCCGGCATGTCCCCCTGGCGGACGGGAAGTATCAGCT
CGACCAAGCTTGGCGGAGATTTTCAGGAGCTAAGGAAGCTAAATGGAGAAAAAATCACTGGAT
ATACCACCGTTGATATATCCCAATGGCATCGTAAGAACAATTTGAGGCATTTTCAGTCAGTTGC
TCAATGTACCTATAACCAGACCGTTCAGCTGCATTAATGAATCGGCCAACGCGGGGAGAGGC
GGTTTGGGTATTGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCTCGGTCTCGGC
TGCGGCGAGCGGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCCACAGAATCAGGGGATAA
CGCAGGAAGAACATGTGAGCAAAGGCCAGCAAAGGCCAGGAACCGTAAAAAAGGCCCGTTG
CTGGCGTTTTCATAGGCTCCGCCCCCTTGACGAGCATCACAAAAATCGACGCTCAAGTCAGA
GGTGGCGAAACCGACAGGACTATAAAGATACCAGGCGTTTCCCCCTGGAAGCTCCCTCGTGCG
CTCTCCTGTTCCGACCCCTGCGGCTTACCGGATACCTGTCCGCCCTTTCTCCCTTCGGGAAGCGTG

Fig. 10D

GGGCTTCTCAATGCTCACGCTGTAGGTATCTCAGTTCGGGTAGGTCGTTCCGCTCCAAGCTGG
GCTGTGTGACGAACCCCGCTTACGCCCGACCGCTGCGCCTTATCCGGTAACTATCGTCTTGA
GTCCAACCGGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTGGTAACAGGATTAGCAGA
GGGAGGTATGTAGCGGTGCTACAGAGTTCTTGAAGTGGTGGCCTAACTACGGCTACACTAGAA
GGACAGTATTTGGTATCTGCGCTCTGCTGAAGCCAGTTACCTTCGGAATAAGAGTTGTTAGCTC
TTGATCCC GCAAAACAAACCACCGCTGGTAGCGGTGTTTTTTTGTTCAGCAGCAGATTACG
CGCAGAAAAAAGGATCTCAAGAAGATCCTTTGATCTTTCTACGGGGTCTGACGCTCAGTGGA
ACGAAAACTCACGTTAAGGGATTTTGGTCATGAGATTATCAAAAAGGATCTTCACCTAGATCCT
TTTAAATTAAAAATGAAGTTTAAATCAATCTAAAGTATATATAGATAAACTTGGTCTGACAGT
TACCAATGCTTAATCAGTGAGGCACCTATCTCAGCGATCTGTCTATTTTCGTTCCATAGTTG
CCTGATCCCCGTCGTGTAGATAACTACGATACGGAGGGCTTACCATCTGGCCCCAGTGCTGCA
ATGATACCGCGAGACCCACGCTCACCGGCTCCAGATTATCAGCAATAAACCCAGCCCGGAA
GGGCCGAGCGCAGAAGTGGTCCGTGCAACTTTATCCGCCCTCCAGTCTATTAATTGTTGCCG

Fig. 10E

GGAAGCTA GAGTAAGTAGTTCGCCAGTTAATAGTTTGGCGCAACGTTGTTGCCATTGCTACAGGC
ATCGTGGTGTCACGCTCGTCGTTTGGTATGGCTTCATTACAGCTCCGGTTCCTCCCAACGATCAAGGC
GAGTTACATGATCCCCCATGTTGTGCAAAAAGCGGTTAGCTCCTTCGGTCCCTCCGATCGTTGT
CAGAAGTAAGTTGGCCGCAGTGTTATCACTCATGGTTATGGCAGCAGCTGCATAAATCTCTTACT
GTCATGCCATCCGTAAGATGCTTTTCTGTGACTGGTGAGTACTCAACCAAGTCATTCTGAGAAT
AGTGATGCGGCGACCGAGTTGCTCTTGGCCGCGGTCAATACGGGATAATAACCGGCCACATAG
CAGAACTTTAAAAGTGCTCATCATTTGAAAACGTTCTTCGGGGCGAAAACTCTCAAGGATCTTA
CCGCTGTTGAGATCCAGTTCGATGTAAACCCACTCGTGCACCCAACTGATCTTCAGCATCTTTTA
CTTTCACACGCGTTTCTGGGTGAGCAAAAACAGGAAGGCAAAATGCCGCAAAAAGGAATAAG
GGGACACGGAAATGTTGAATACTCATACTCTTCCTTTTCAATAATTATTGAAGCATTTATCAG
GGTATTGTCTCATGAGCGGATACATATTTGAATGTATTTAGAAAAATAAACAATAGGGGTTTC
CGGCGACATTTCCCGAAAAGTGCCACCTGACGTCTAAGAAACCATTTATTATCATGACATTAAAC
CTATAAAAATAGCGGTATCACGAGGCCCTTTCGTC

Fig. 10F

二二〇六

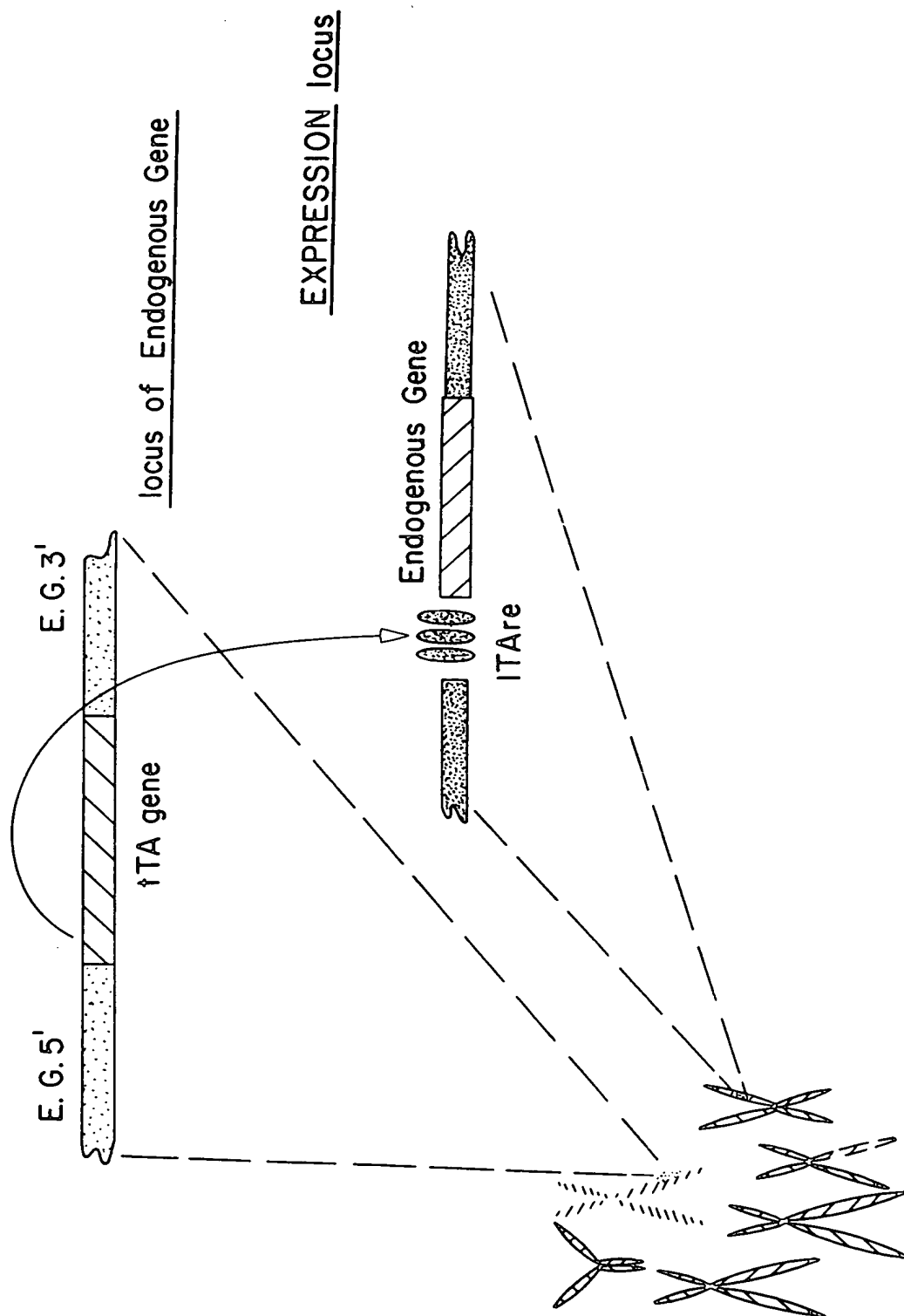


FIG. 12

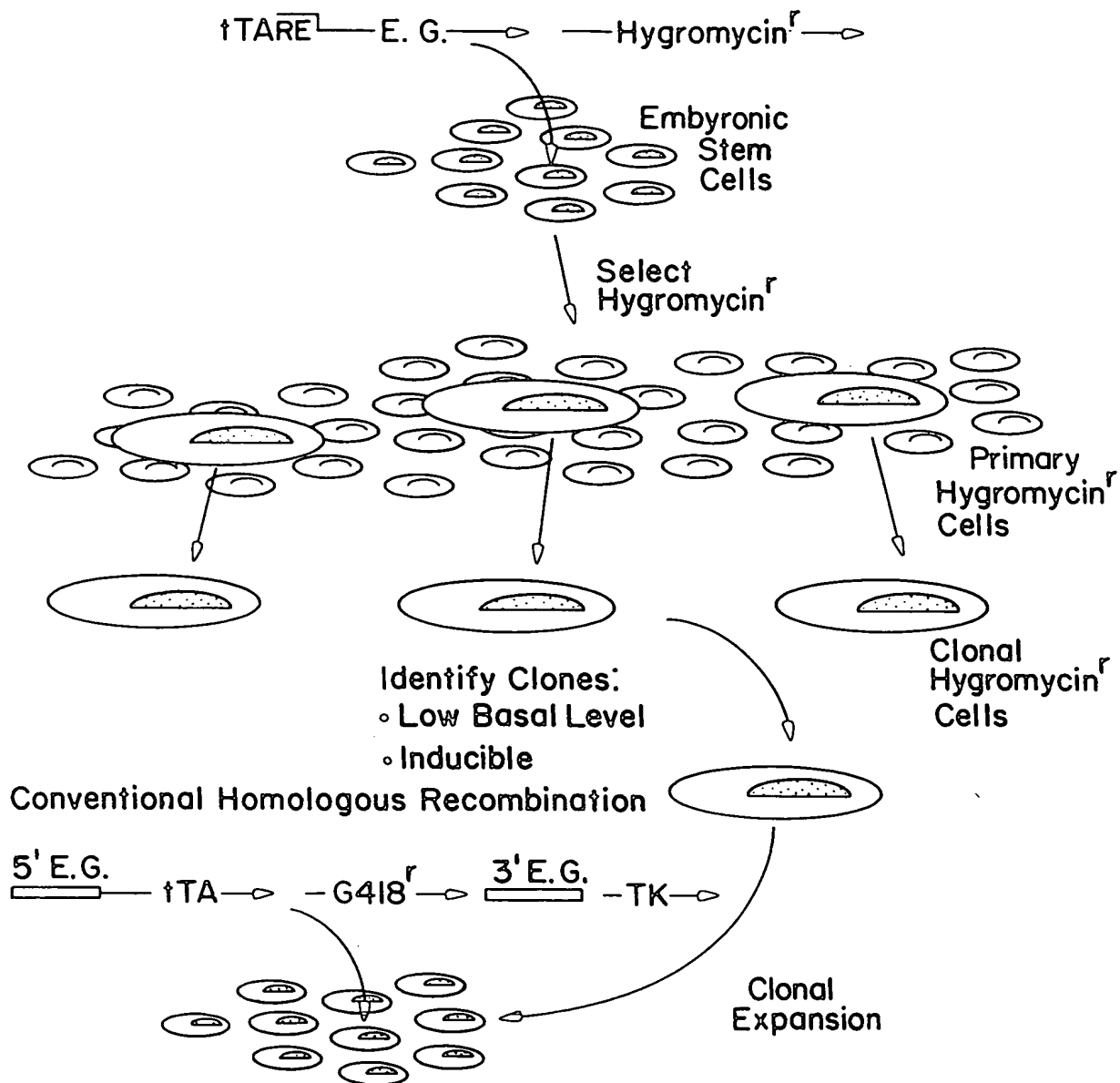


FIG. 13A

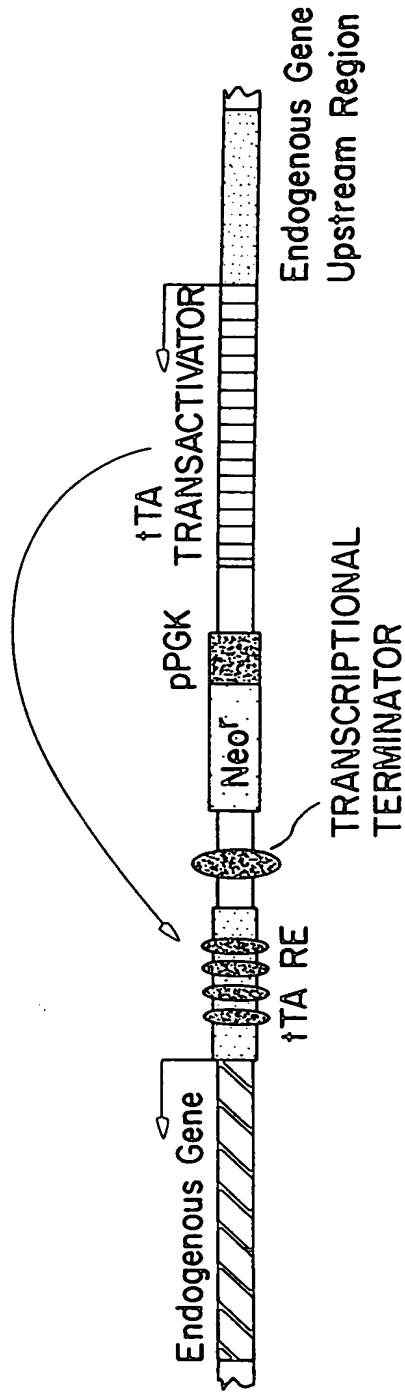


FIG. 13B

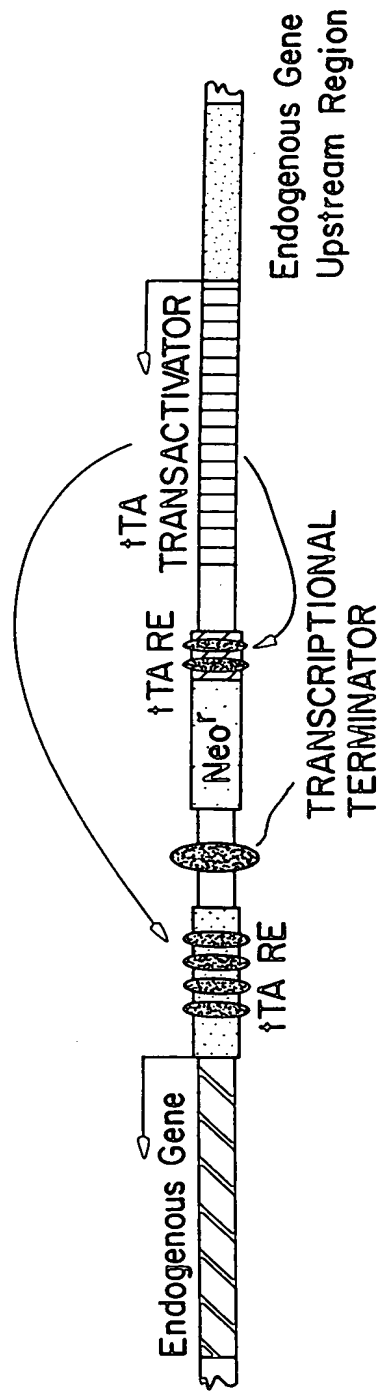


FIG.14

